

[Dashboard](#) / [My courses](#) / [B.Sc. in ICT Program](#) / [Semester 2 of 2019](#) / [1st Year \(Freshman\)](#)
/ [ITCS209 Object oriented Programming](#) / [Quiz](#) / [Quiz2 \(System Test. Your score won't count.\)](#)

Started on	Friday, 10 April 2020, 11:07 AM
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State	Finished
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Completed on	Friday, 10 April 2020, 11:10 AM
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Time taken	2 mins 52 secs
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Grade	10.00 out of 10.00 (100%)
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Question 1

Correct

Mark 1.00 out of 1.00

What will be the output of the program? and the command line invocation is: > java testArray a b

```
public class testArray
{
    public static void main(String [] args)
    {
        String names [] = new String[5];
        for (int x=0; x < args.length; x++)
            names[x] = args[x];
        System.out.println(names[2]);
    }
}
```

Select one:

- ☐ a. Compilation fails
- ☐ b. An exception is thrown at runtime
- ☐ c. names
- ☒ d. null ✓

Your answer is correct.

The correct answer is: null

Question **2**

Correct

Mark 1.00 out of 1.00

What will be the output of the program?

```
class PassA
{
    public static void main(String [] args)
    {
        PassA p = new PassA();
        p.start();
    }

    void start()
    {
        long [] a1 = {3,4,5};
        long [] a2 = fix(a1);
        System.out.print(a1[0] + a1[1] + a1[2] + " ");
        System.out.println(a2[0] + a2[1] + a2[2]);
    }

    long [] fix(long [] a3)
    {
        a3[1] = 7;
        return a3;
    }
}
```

Select one:

- ☒ a. 15 15 ✓
- ☐ b. 3 4 5 3 7 5
- ☐ c. 3 7 5 3 7 5
- ☐ d. 12 15

Your answer is correct.

The correct answer is: 15 15

Question **3**

Correct

Mark 1.00 out of 1.00

What will be the output of the program?

```
class A
{
    final public int GetResult(int a, int b) { return 0; }
}
class B extends A
{
    public int GetResult(int a, int b) {return 1; }
}
public class Test
{
    public static void main(String args[])
    {
        B b = new B();
        System.out.println("x = " + b.GetResult(0, 1));
    }
}}
```

Select one:

- ☐ a. x = 1
- ☐ b. An exception is thrown at runtime.
- ☒ c. Compilation fails. ✓
- ☐ d. x = 0

Your answer is correct.

The correct answer is: Compilation fails.

Question **4**

Correct

Mark 1.00 out of 1.00

What will be the output of the program?

```
public class Test
{
    public static void main(String args[])
    {
        class Foo
        { public int i = 3;}
        Object o = (Object)new Foo();
        Foo foo = (Foo)o;
        System.out.println("i = " + foo.i);
    }
}
```

Select one:

- ☐ a. i = 5
- ☒ b. i = 3 
- ☐ c. Compilation Fails
- ☐ d. A ClassCastException will occur.

Your answer is correct.

The correct answer is: i = 3

Question **5**

Correct

Mark 1.00 out of 1.00

What will be the output of the program?

```
public class Test
{
    public static void main (String args[])
    {
        String str = NULL;
        System.out.println(str);
    }
}
```

Select one:

- ☐ a. public Test()
- ☒ b. Test(void) ✓
- ☐ c. public Test(void)
- ☐ d. private Test()

Your answer is correct.

The correct answer is: Test(void)

Question **6**

Correct

Mark 1.00 out of 1.00

What will be the output of the program

```
class Super
{
    public int i = 0;
    public Super(String text)
    {i = 1;}
}
class Sub extends Super
{
    public Sub(String text)
    {i = 2;}
    public static void main(String args[])
    {
        Sub sub = new Sub("Hello");
        System.out.println(sub.i);
    }
}
```

Select one:

- ☐ a. 1
- ☒ b. Compilation Fails ✓
- ☐ c. 0
- ☐ d. 2

Your answer is correct.

The correct answer is: Compilation Fails

Question **7**

Correct

Mark 1.00 out of 1.00

Which three are legal array declarations?

1. `int [] myScores [];`
2. `char [] myChars;`
3. `int [6] myScores;`
4. `Dog myDogs [];`
5. `Dog myDogs [7];`

Select one:

- ☐ a. 2, 4, 5
- ☒ b. 1, 2, 4 ✓
- ☐ c. 2, 3, 4
- ☐ d. All are correct

Your answer is correct.

The correct answer is: 1, 2, 4

Question **8**

Correct

Mark 1.00 out of 1.00

Which will legally declare, construct, and initialize an array?

Select one:

- ☒ a. `int myList [] = {4, 3, 7};` ✓
- ☐ b. `int [] myList = (5, 8, 2)`
- ☐ c. `int myList [] [] = {4,9,7,0};`
- ☐ d. `int [] myList = {"1", "2", "3"};`

Your answer is correct.

The correct answer is: `int myList [] = {4, 3, 7};`

Question 9

Correct

Mark 1.00 out of 1.00

What will be the output of the program?

```
public class Test
{
    public int aMethod()
    {
        static int i = 0;
        i++;
        return i;
    }
    public static void main(String args[])
    {
        Test test = new Test();
        test.aMethod();
        int j = test.aMethod();
        System.out.println(j);
    }
}
```

Select one:

- ☒ a. Compilation Fails ✓
- ☐ b. 3
- ☐ c. 1
- ☐ d. 0

Your answer is correct.

The correct answer is: Compilation Fails

Question **10**

Correct

Mark 1.00 out of 1.00

```
public class While
{
    public void loop()
    {
        int x= 0;
        while ( 1 )
        { System.out.print("x plus one is " + (x + 1));}
    }
}
```

From the above code, which statement is true?

Select one:

- ☐ a. There are syntax errors on lines 1, 6, and 8.
- ☒ b. There is a syntax error on line 6. ✓
- ☐ c. There are syntax errors on lines 1 and 6.
- ☐ d. There is a syntax error on line 1.

Your answer is correct.

The correct answer is: There is a syntax error on line 6.